

| Application No.        | Applicant(s) | Applicant(s) |  |  |  |  |  |  |  |  |
|------------------------|--------------|--------------|--|--|--|--|--|--|--|--|
| 10/614,052             | AHMED ET AL. |              |  |  |  |  |  |  |  |  |
| Examiner               | Art Unit     |              |  |  |  |  |  |  |  |  |
|                        |              | :            |  |  |  |  |  |  |  |  |
| Walter L. Lindsay, Jr. | 2812         |              |  |  |  |  |  |  |  |  |

|             | _                 | IS    | SUE CLA                           | ASSIFICAT                                    | TION                           |                            |  |  |  |  |  |  |  |
|-------------|-------------------|-------|-----------------------------------|--|--------------------------------|----------------------------|--|--|--|--|--|--|--|
| 0           | RIGINAL           |       | CROSS REFERENCE(S)                |  |                                |                            |  |  |  |  |  |  |  |
| CLASS       | SUBCLASS          | CLASS | SUBCLASS (ONE SUBCLASS PER BLOCK) |  |                                |                            |  |  |  |  |  |  |  |
| 438         | 585               | 438   | 596                               |  |                                |                            |  |  |  |  |  |  |  |
| INTERNATION | AL CLASSIFICATION |       |                                   |  |                                |                            |  |  |  |  |  |  |  |
| H 0 1 L     | 21/3205           |       |                                   |  |                                |                            |  |  |  |  |  |  |  |
| H 0 1 L     | 21/4763           |       |                                   |  |                                |                            |  |  |  |  |  |  |  |
|             | 1                 |       |                                   |  |                                |                            |  |  |  |  |  |  |  |
|             | 1                 |       |                                   |  |                                |                            |  |  |  |  |  |  |  |
|             |                   | ,     | $\wedge$                          |  |                                |                            |  |  |  |  |  |  |  |
| Able (Assis | Law ()            |       | Try.                              | Hy   | Total Claims Allowed: 14       |                            |  |  |  |  |  |  |  |
| (Legal Inst | 5)6/04            | Date) | CompanieNN                        | Niebling<br>Patent Exeminer<br>VEGHAL (2000) | O.G.<br>Print Claim(s)<br>1,14 | O.G<br>Print:Fig.<br>5A,8B |  |  |  |  |  |  |  |

| ⊠ c   | Claims renumbered in the same order as presented by applicant |  |       |          |   |       |          | ☐ CPA        |         |          | ☐ T.D. |       |          | R.1.47 |          |          |  |          |          |
|-------|---|--|-------|----------|---|-------|----------|--------------|---------|----------|--------|-------|----------|--------|----------|----------|--|----------|----------|
| Final | Original  |  | Final | Original |   | Final | Original |              | Final   | Original |        | Final | Original |        | Final    | Original |  | Final    | Original |
| 1     | 1   |  |       | 31       |   |       | 61       |              |         | 91       |        |       | 121      |        |          | 151      |  |          | 181      |
| 2     | 2   |  |       | 32       |   |       | 62       |              |         | 92       |        |       | 122      |        |          | 152      |  |          | 182      |
| 3     | 3   |  |       | 33       |   |       | 63       |              |         | 93       |        |       | 123      |        |          | 153      |  |          | 183      |
| 4     | 4   |  |       | 34       |   |       | 64       |              |         | 94       |        |       | 124      |        |          | 154      |  |          | 184      |
| 5     | 5   |  |       | 35       |   |       | 65       |              |         | 95       |        |       | 125      |        |          | 155      |  |          | 185      |
| 6     | 6   |  |       | 36       |   |       | 66       |              |         | 96       |        |       | 126      |        |          | 156      |  |          | 186      |
| 7     | 7   |  |       | 37       |   |       | 67       |              |         | 97       |        |       | 127      |        |          | 157      |  |          | 187      |
| 8     | 8   |  |       | 38       |   |       | 68       |              |         | 98       |        |       | 128      |        |          | 158      |  |          | 188      |
| 9     | 9   |  |       | 39       |   |       | 69       |              |         | 99       |        |       | 129      |        |          | 159      |  |          | 189      |
| 10    | 10  |  |       | 40       |   |       | 70       |              |         | 100      |        |       | 130      |        |          | 160      |  |          | 190      |
| 11    | 11  |  |       | 41       |   |       | 71       |              |         | 101      |        |       | 131      |        |          | 161      |  |          | 191      |
| 12    | 12  |  |       | 42       |   |       | 72       |              |         | 102      |        |       | 132      |        |          | 162      |  |          | 192      |
| 13    | 13  |  |       | 43       |   |       | 73       |              |         | 103      |        |       | 133      |        |          | 163      |  | ļ        | 193      |
| 14    | 14  |  |       | 44       |   |       | 74       |              |         | 104      |        |       | 134_     |        |          | 164      |  |          | 194      |
|       | 15  |  |       | 45       |   |       | 75       |              |         | 105      |        |       | 135      |        |          | 165      |  |          | 195      |
|       | 16  |  |       | 46_      |   |       | 76       |              |         | 106      |        |       | 136      |        |          | 166      |  |          | 196      |
|       | 17  |  |       | 47       |   |       | 77       |              |         | 107      |        |       | 137      |        |          | 167      |  | <u> </u> | 197      |
|       | _18_  |  |       | 48       |   |       | 78       |              |         | 108      |        |       | 138      |        |          | 168      |  |          | 198      |
|       | 19  |  |       | 49       |   |       | 79       |              |         | 109      |        |       | 139      |        |          | 169      |  |          | 199      |
|       | 20  |  |       | 50       |   |       | 80_      |              |         | 110      |        |       | 140      |        | <u> </u> | 170      |  |          | 200      |
|       | 21  |  |       | 51       |   |       | 81       |              |         | 111      |        |       | 141      |        | ļ        | 171      |  |          | 201      |
|       | 22  |  |       | 52       |   |       | 82       |              |         | 112      |        |       | 142      |        |          | 172      |  |          | 202      |
|       | 23  |  |       | 53       |   |       | 83       |              |         | 113      |        |       | 143      |        |          | 173      |  |          | 203      |
|       | 24  |  |       | 54       |   |       | 84       | ļ::::::::::: |         | 114      |        |       | 144      |        |          | 174      |  |          | 204      |
|       | 25  |  |       | 55       |   |       | 85       |              |         | 115      |        |       | 145      |        |          | 175      |  |          | 205      |
|       | 26  |  |       | 56       |   |       | 86       | ļ            |         | 116      |        |       | 146      |        |          | 176      |  |          | 206      |
|       | 27  |  |       | 57       | ļ |       | 87       | <b> </b>     | <u></u> | 117      |        |       | 147      |        |          | 177      | ļ::::::::::::::::::::::::::::::::::::: |          | 207      |
|       | 28  |  |       | 58       |   |       | 88       |              |         | 118      |        |       | 148      |        |          | 178      |  |          | 208      |
|       | 29  |  |       | 59       |   |       | 89_      |              |         | 119      |        |       | 149      |        |          | 179      |  |          | 209      |
|       | 30  |  |       | 60       |   |       | 90_      |              |         | 120      |        |       | 150      |        |          | 180      |  | <u> </u> | 210      |